## Supporting Information for:

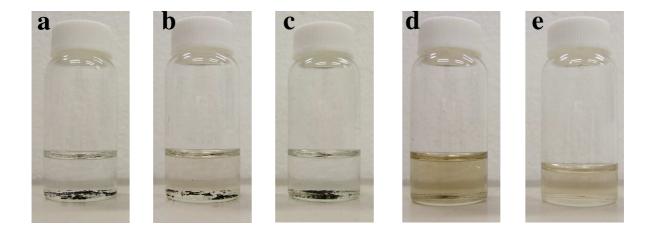
## Coordination and Reduction Processes in the Synthesis of Dendrimer-Encapsulated Pt Nanoparticles

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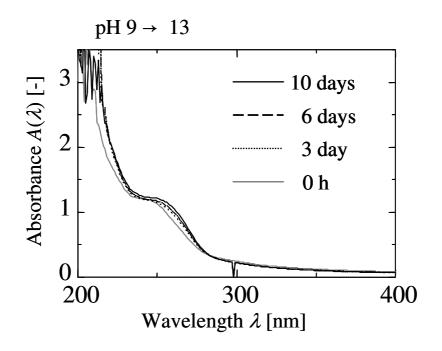
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**Figure S1.** Images of suspensions in G4.5-COO<sup>-</sup> (pH 2) after NaBH<sub>4</sub> reduction for coordination times of (a) 0 h ( $\alpha = 0.0$ ), (b) 3 h ( $\alpha = 0.0$ ), (c) 2 days ( $\alpha = 0.1$ ), (d) 5 days ( $\alpha = 0.5$ ), and (e) 6 days ( $\alpha = 0.6$ ).



**Figure S2.** Time-dependent UV-vis spectroscopic data obtained after mixing NaOH with G4.5-COO<sup>-</sup>–Pt<sup>2+</sup> solution in which Pt<sup>2+</sup> coordination occurred at pH 9 for 10 days. The pH was shifted to pH 13 which is not ideal for the coordination. The result showed that the coordination ratio ( $\alpha = 0.4$ ) was unchanged after 10 days from the moment of the pH shift, indicating that Pt<sup>2+</sup>–tertiary amine bond is quite strong.